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PTO/SB/05 (11-00)  
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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b>  (Only for new nonprovisional applications under 37 CFR 1.53(b))	<b>Attorney Docket No.</b>	<b>EMC2-085PUS</b>
	<b>First Inventor</b>	<b>Christopher S. MacLellan</b>
	<b>Title</b>	<b>Cyclic Redundancy Check (CRC) Parity Check</b>
	<b>Express Mail Label No.</b>	<b>EF030132597US</b>

<b>APPLICATION ELEMENTS</b> <i>See MPEP chapter 600 concerning utility patent application contents.</i>	<b>ADDRESS TO:</b> Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
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1. <input checked="" type="checkbox"/> <b>Fee Transmittal Form</b> (e.g., PTO/SB/17) <i>(Submit an original and a duplicate for fee processing)</i>	7. <input type="checkbox"/> <b>CD-ROM or CD-R</b> in duplicate, large table or Computer Program <i>(Appendix)</i>
2. <input type="checkbox"/> <b>Applicant claims small entity status.</b> See 37 CFR 1.27.	8. <b>Nucleotide and/or Amino Acid Sequence Submission</b> <i>(if applicable, all necessary)</i>
3. <input checked="" type="checkbox"/> <b>Specification</b> [Total Pages <b>58</b> ] <i>(preferred arrangement set forth below)</i> <ul style="list-style-type: none"><li>- Descriptive title of the invention</li><li>- Cross Reference to Related Applications</li><li>- Statement Regarding Fed sponsored R &amp; D</li><li>- Reference to sequence listing, a table, or a computer program listing appendix</li><li>- Background of the Invention</li><li>- Brief Summary of the Invention</li><li>- Brief Description of the Drawings <i>(if filed)</i></li><li>- Detailed Description</li><li>- Claim(s)</li><li>- Abstract of the Disclosure</li></ul>	a. <input type="checkbox"/> <b>Computer Readable Form (CRF)</b>
4. <input checked="" type="checkbox"/> <b>Drawing(s)</b> (35 U.S.C. 113) [Total Sheets <b>18</b> ]	b. <b>Specification Sequence Listing on:</b> <ul style="list-style-type: none"><li>i. <input type="checkbox"/> <b>CD-ROM or CD-R</b> (2 copies); or</li><li>ii. <input type="checkbox"/> <b>paper</b></li></ul>
5. <b>Oath or Declaration</b> [Total Pages <b>3</b> ] <ul style="list-style-type: none"><li>a. <input checked="" type="checkbox"/> <b>Newly executed (original or copy)</b> Copy from a prior application (37 CFR 1.63 (d)) <i>(for continuation/divisional with Box 18 completed)</i></li><li>b. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</li></ul>	c. <input type="checkbox"/> <b>Statements verifying identity of above copies</b>
6. <input type="checkbox"/> <b>Application Data Sheet.</b> See 37 CFR 1.76	

9. <input checked="" type="checkbox"/> <b>Assignment Papers</b> (cover sheet & document(s))
10. <input type="checkbox"/> <b>37 CFR 3.73(b) Statement</b> <input type="checkbox"/> <b>Power of Attorney</b> <i>(when there is an assignee)</i>
11. <input type="checkbox"/> <b>English Translation Document</b> <i>(if applicable)</i>
12. <input type="checkbox"/> <b>Information Disclosure Statement (IDS)/PTO-1449</b> <input type="checkbox"/> <b>Copies of IDS Citations</b>
13. <input type="checkbox"/> <b>Preliminary Amendment</b>
14. <input type="checkbox"/> <b>Return Receipt Postcard (MPEP 503)</b> <i>(Should be specifically itemized)</i>
15. <input type="checkbox"/> <b>Certified Copy of Priority Document(s)</b> <i>(if foreign priority is claimed)</i>
16. <input checked="" type="checkbox"/> <b>Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i).</b> Applicant must attach form PTO/SB/35 or its equivalent. Return Post Card; Pt Apl Title Page
17. <input type="checkbox"/> <b>Other:</b> _____

<b>ACCOMPANYING APPLICATION PARTS</b>	
9. <input checked="" type="checkbox"/> <b>Assignment Papers</b> (cover sheet & document(s))	
10. <input type="checkbox"/> <b>37 CFR 3.73(b) Statement</b> <input type="checkbox"/> <b>Power of Attorney</b> <i>(when there is an assignee)</i>	
11. <input type="checkbox"/> <b>English Translation Document</b> <i>(if applicable)</i>	
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17. <input type="checkbox"/> <b>Other:</b> _____	

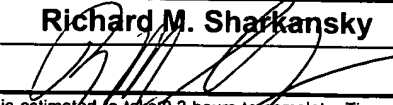
18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

For **CONTINUATION OR DIVISIONAL APPS** only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

<b>19. CORRESPONDENCE ADDRESS</b>					
<input checked="" type="checkbox"/> Customer Number or Bar Code Label <b>022494</b> <i>(Insert Customer No. or Attach bar code label here)</i> or <input type="checkbox"/> Correspondence address below					
<b>Name</b>		<b>Richard M. Sharkansky</b>			
<b>Address</b>		<b>Daly, Crowley &amp; Mofford, LLP</b>			
<b>City</b>		<b>Canton</b>	<b>State</b>	<b>MA</b>	<b>Zip Code</b> <b>02021-2310</b>
<b>Country</b>	<b>US</b>	<b>Telephone</b>	<b>781.401.9988 ext. 23</b>	<b>Fax</b>	<b>781-401-9966</b>

<b>Name (Print/Type)</b>	<b>Richard M. Sharkansky</b>	<b>Registration No. (Attorney/Agent)</b>	<b>25,800</b>
<b>Signature</b>		<b>Date</b>	<b>December 21, 2000</b>

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

<h1 style="margin: 0;">FEE TRANSMITTAL</h1> <h2 style="margin: 0;">for FY 2001</h2> <p style="font-size: small; margin: 5px 0;">Patent fees are subject to annual revision.</p>		<b>Complete if Known</b>	
<b>TOTAL AMOUNT OF PAYMENT</b>		(\$)	<b>910</b>
Application Number		Not Yet Assigned	
Filing Date		Herewith	
First Named Inventor		Christopher S. MacLellan	
Examiner Name		Not Yet Assigned	
Group Art Unit		Not Yet Assigned	
Attorney Docket No.		EMC2-085PUS	

<h3 style="text-align: center; margin: 0;">METHOD OF PAYMENT</h3> <p>1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:</p> <p>Deposit Account Number: <b>50-0845</b></p> <p>Deposit Account Name: <b>Daly, Crowley &amp; Mofford, LLP</b></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p> <p>2. <input checked="" type="checkbox"/> <b>Payment Enclosed:</b></p> <p><input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p> <h3 style="text-align: center; margin: 0;">FEE CALCULATION</h3> <div style="border: 1px solid black; padding: 5px;"> <h4 style="margin: 0;">1. BASIC FILING FEE</h4> <table style="width: 100%; font-size: small;"> <thead> <tr> <th>Large Entity Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>710</td> <td>201</td> <td>355</td> <td>Utility filing fee</td> <td style="border: 1px solid black; text-align: center;">710</td> </tr> <tr> <td>106</td> <td>320</td> <td>206</td> <td>160</td> <td>Design filing fee</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>107</td> <td>490</td> <td>207</td> <td>245</td> <td>Plant filing fee</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>108</td> <td>710</td> <td>208</td> <td>355</td> <td>Reissue filing fee</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>114</td> <td>150</td> <td>214</td> <td>75</td> <td>Provisional filing fee</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (1)</b></td> <td style="border: 1px solid black; text-align: center;"><b>( \$ ) 710</b></td> </tr> </tbody> </table> <div style="border: 1px solid black; padding: 5px;"> <h4 style="margin: 0;">2. EXTRA CLAIM FEES</h4> <p>Total Claims: <b>7</b> - 20** = <b>0</b> x <b>18</b> = <b>0</b></p> <p>Independent Claims: <b>7</b> - 3** = <b>4</b> x <b>40</b> = <b>160</b></p> <p>Multiple Dependent: <b></b> = <b></b></p> <table style="width: 100%; font-size: small;"> <thead> <tr> <th>Large Entity Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>103</td> <td>18</td> <td>203</td> <td>9</td> <td>Claims in excess of 20</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>102</td> <td>80</td> <td>202</td> <td>40</td> <td>Independent claims in excess of 3</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>104</td> <td>270</td> <td>204</td> <td>135</td> <td>Multiple dependent claim, if not paid</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>109</td> <td>80</td> <td>209</td> <td>40</td> <td>** Reissue independent claims over original patent</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>110</td> <td>18</td> <td>210</td> <td>9</td> <td>** Reissue claims in excess of 20 and over original patent</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (2)</b></td> <td style="border: 1px solid black; text-align: center;"><b>( \$ ) 160</b></td> </tr> </tbody> </table> <p style="font-size: x-small;">**or number previously paid, if greater; For Reissues, see above</p> </div> </div>	Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description	Fee Paid	101	710	201	355	Utility filing fee	710	106	320	206	160	Design filing fee		107	490	207	245	Plant filing fee		108	710	208	355	Reissue filing fee		114	150	214	75	Provisional filing fee		<b>SUBTOTAL (1)</b>					<b>( \$ ) 710</b>	Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description	Fee Paid	103	18	203	9	Claims in excess of 20		102	80	202	40	Independent claims in excess of 3		104	270	204	135	Multiple dependent claim, if not paid		109	80	209	40	** Reissue independent claims over original patent		110	18	210	9	** Reissue claims in excess of 20 and over original patent		<b>SUBTOTAL (2)</b>					<b>( \$ ) 160</b>	<h3 style="text-align: center; margin: 0;">FEE CALCULATION (continued)</h3> <div style="border: 1px solid black; padding: 5px;"> <h4 style="margin: 0;">3. ADDITIONAL FEES</h4> <table style="width: 100%; font-size: small;"> <thead> <tr> <th>Large Entity Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>105</td> <td>130</td> <td>205</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>127</td> <td>50</td> <td>227</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>139</td> <td>130</td> <td>139</td> <td>130</td> <td>Non-English specification</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>147</td> <td>2,520</td> <td>147</td> <td>2,520</td> <td>For filing a request for <i>ex parte</i> reexamination</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>112</td> <td>920*</td> <td>112</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td style="border: 1px solid black; 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text-align: center;"></td> </tr> <tr> <td>119</td> <td>310</td> <td>219</td> <td>155</td> <td>Notice of Appeal</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>120</td> <td>310</td> <td>220</td> <td>155</td> <td>Filing a brief in support of an appeal</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>121</td> <td>270</td> <td>221</td> <td>135</td> <td>Request for oral hearing</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>138</td> <td>1,510</td> <td>138</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>140</td> <td>110</td> <td>240</td> <td>55</td> <td>Petition to revive - unavoidable</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>141</td> <td>1,240</td> <td>241</td> <td>620</td> <td>Petition to revive - unintentional</td> <td style="border: 1px solid black; 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text-align: center;">40</td> </tr> <tr> <td>146</td> <td>710</td> <td>246</td> <td>355</td> <td>Filing a submission after final rejection (37 CFR § 1.129(a))</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>149</td> <td>710</td> <td>249</td> <td>355</td> <td>For each additional invention to be examined (37 CFR § 1.129(b))</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>179</td> <td>710</td> <td>279</td> <td>355</td> <td>Request for Continued Examination (RCE)</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>169</td> <td>900</td> <td>169</td> <td>900</td> <td>Request for expedited examination of a design application</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td colspan="5">Other fee (specify) _____</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (3)</b></td> <td style="border: 1px solid black; 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139	130	139	130	Non-English specification																																																																																																																																																																																																																																																																											
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																																																																																																																																																																											
112	920*	112	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																																																																																																											
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																																																																																																											
115	110	215	55	Extension for reply within first month																																																																																																																																																																																																																																																																											
116	390	216	195	Extension for reply within second month																																																																																																																																																																																																																																																																											
117	890	217	445	Extension for reply within third month																																																																																																																																																																																																																																																																											
118	1,390	218	695	Extension for reply within fourth month																																																																																																																																																																																																																																																																											
128	1,890	228	945	Extension for reply within fifth month																																																																																																																																																																																																																																																																											
119	310	219	155	Notice of Appeal																																																																																																																																																																																																																																																																											
120	310	220	155	Filing a brief in support of an appeal																																																																																																																																																																																																																																																																											
121	270	221	135	Request for oral hearing																																																																																																																																																																																																																																																																											
138	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																																																																																											
140	110	240	55	Petition to revive - unavoidable																																																																																																																																																																																																																																																																											
141	1,240	241	620	Petition to revive - unintentional																																																																																																																																																																																																																																																																											
142	1,240	242	620	Utility issue fee (or reissue)																																																																																																																																																																																																																																																																											
143	440	243	220	Design issue fee																																																																																																																																																																																																																																																																											
144	600	244	300	Plant issue fee																																																																																																																																																																																																																																																																											
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																																																																																																																											
123	50	123	50	Petitions related to provisional applications																																																																																																																																																																																																																																																																											
126	240	126	240	Submission of Information Disclosure Stmt																																																																																																																																																																																																																																																																											
581	40	581	40	Recording each patent assignment per property (times number of properties)	40																																																																																																																																																																																																																																																																										
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																																																																																																																											
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																																																																																																																											
179	710	279	355	Request for Continued Examination (RCE)																																																																																																																																																																																																																																																																											
169	900	169	900	Request for expedited examination of a design application																																																																																																																																																																																																																																																																											
Other fee (specify) _____																																																																																																																																																																																																																																																																															
<b>SUBTOTAL (3)</b>					<b>( \$ ) 40</b>																																																																																																																																																																																																																																																																										

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	<b>Richard M. Sharkansky</b>	Registration No. (Attorney/Agent)	<b>25,800</b>
Signature		Telephone	<b>781.401.9988 ext. 23</b>
		Date	<b>12/21/00</b>

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**REQUEST AND CERTIFICATION  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor

Christopher S. MacLellan

Title

Cyclic Redundancy Check (CRC) Parity

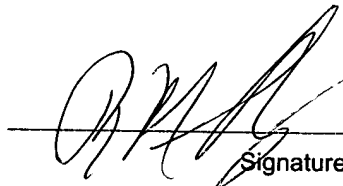
Atty Docket Number

EMC2-085PUS

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

December 21, 2000

Date

  
Signature

Richard M. Sharkansky

Typed or printed name

*Reg # 25,806*

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**